



Multi-Net Mobility™

Mobile VPN Solution

Seamless mobility without compromising Security

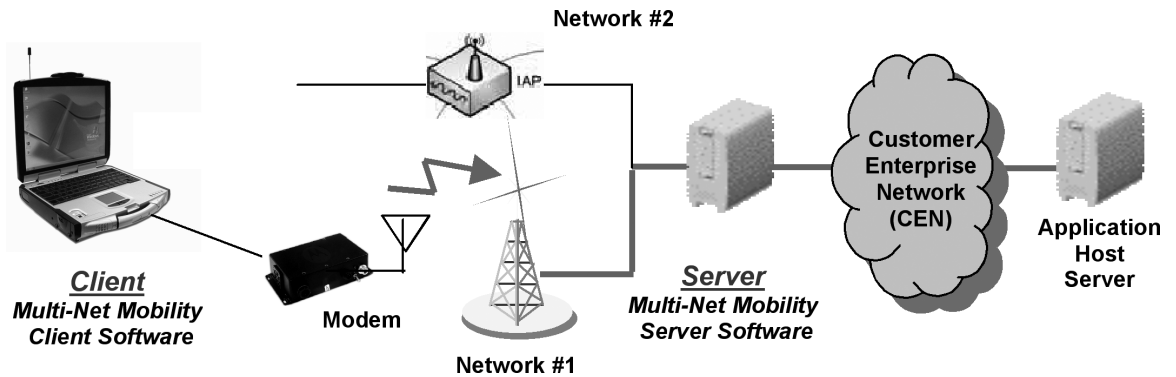
Session Persistence. Keeps Applications and VPN connected through wireless network interruptions and outages — no need to restart your applications or re-authenticate.

Multi-Net Mobility supports Motorola MOTOMESH™ and HPD networks, WiFi, and public wireless carrier networks, allowing your users to remain connected even if out of their primary network coverage area.

Features/Benefits

FEATURE	BENEFITS
Multi-Network Roaming	<ul style="list-style-type: none"> Automatic network switching as user moves between wireless IP networks Continuous network availability through automatic access to multiple networks
Virtual Private Network (VPN)	<ul style="list-style-type: none"> Prevents unauthorized data eavesdropping with a U.S. Government-endorsed encryption algorithm (AES) Supports device authentication to control access to back office applications
Session Persistence	<ul style="list-style-type: none"> Application sessions are kept open and available when roaming across networks, or during network interruptions Once application is running, enables “hands-off” operation for the mobile user
Wireless Vehicular Access Network	<ul style="list-style-type: none"> Create a hot spot of coverage around the vehicle Allow devices to access the wireless wide-area network from outside the vehicle
“Best Network” Selection	<ul style="list-style-type: none"> Enables fastest or lowest-cost network selection, based on administrator prioritization
Application Blocking	<ul style="list-style-type: none"> Automatic selection of secondary network if primary network is unavailable Network selection based on link speed If enabled, guards against overloading narrowband networks with broadband data
Application (QoS) Priority	<ul style="list-style-type: none"> Can set priority for application data for both wireless and wired network routers; important for multimedia and mission critical applications
Server Redundancy and Load Balancing	<ul style="list-style-type: none"> Primary and secondary servers remain online and sharing the data load Secondary server automatically picks up full load if primary server fails
Data Compression	<ul style="list-style-type: none"> Optimizes throughput of existing networks by header and payload compression to achieve better network performance
NAT Traversal	<ul style="list-style-type: none"> Allows secure data communications through network gateways that translate IP addresses Optimizes throughput for TCP applications on narrowband networks Allows secure data communications through network gateways that translate IP addresses

System Diagram



MNM Software Specifications

SPECIFICATION	DESCRIPTION
Connectivity	<ul style="list-style-type: none"> IP v.4
Data Encryption	<ul style="list-style-type: none"> AES-128, AES-256 DES 3DES FIPS 140-2 Level 1 Certification
Authentication	<ul style="list-style-type: none"> IKE and IPSec based RADIUS protocol support for AAA server Device authentication to Multi-Net Mobility via shared secret or SA Public Key Infrastructure (PKI)
Broadband Data Capacity	<ul style="list-style-type: none"> Over 60 Mbit/s encrypted throughput, per server
Application Session Persistence	<ul style="list-style-type: none"> Configurable, 15 minutes to 16 hours
Networks	<ul style="list-style-type: none"> Astro 6.x, Astro 3.1, HPD, MOTOMESH, 802.11a/b/g, 1XRTT, EVDO, GPRS, EDGE
Client Operating System Support	<ul style="list-style-type: none"> Windows XP
Modem Connections	<ul style="list-style-type: none"> Ethernet, RS-232, PCMCIA, USB
Application QoS Priority	<ul style="list-style-type: none"> Standard Type of Service (ToS) supported and enforced if not provided by application
Server Failover and Load Balancing	<ul style="list-style-type: none"> Active-Active configuration of Primary/Secondary server pair
Network Connections at Client	<ul style="list-style-type: none"> Client can select from up to five installed WWAN interfaces (see Networks) Wireless Vehicular Access Network "hot spot" supports up to 5 wireless devices Up to six wired devices can use Client as WWAN gateway
Client Capacity Per Server	<ul style="list-style-type: none"> Up to 5000 configured users, 1000 active sessions
NAT Traversal	<ul style="list-style-type: none"> Ensures mobile connectivity to secure (firewalled) networks using Network Address Translation
Supported Server	<ul style="list-style-type: none"> Certified with Motorola-provided server



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